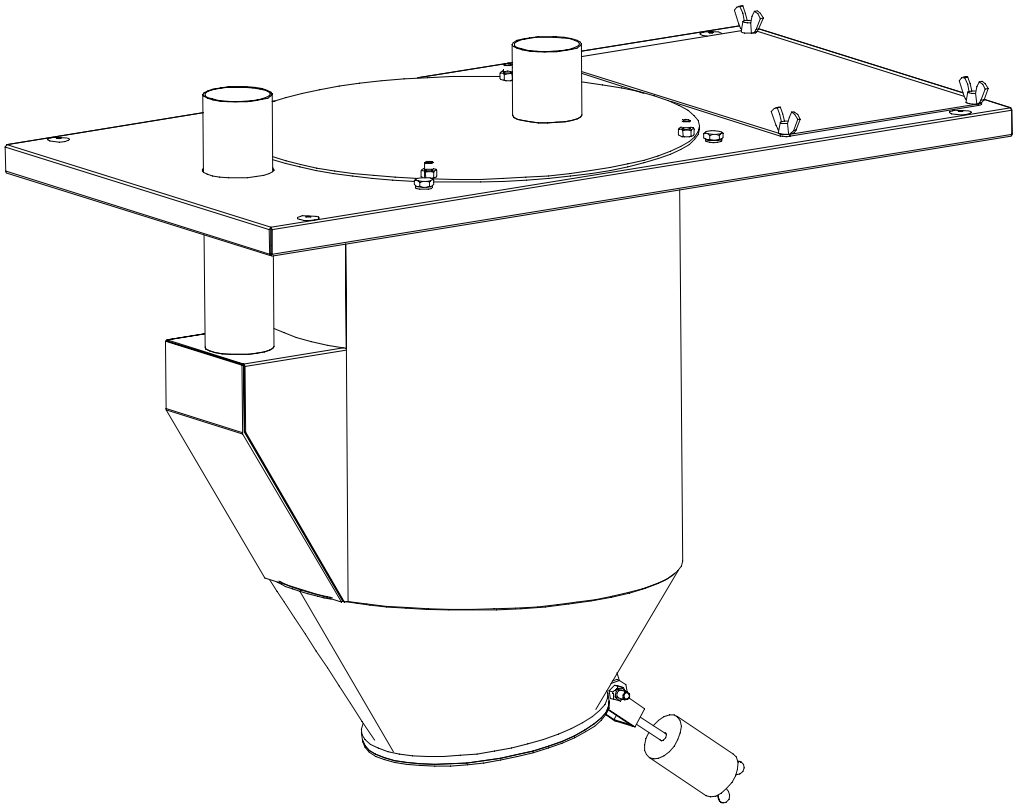
INSTALLATION AND OPERATING INSTRUCTIONS

↪ KIT ASPIRATION



AENOR
Gestión Ambiental
CGM-04/392

AENOR
ER
Empresa Registrada
ER-0170/1996

domusa

Thank you for choosing a DOMUSA product. From the range of **DOMUSA** products you have chosen the **Kit Aspiration.** Suitably installed and connected to a **Bioclass** boiler, this accessory will improve the comfort of your installation.

This manual forms an essential part of the product and it must be supplied to the user. Read the warnings and recommendations in the manual carefully, as they contain important information on the safety, use and maintenance of the installation.

This accessory must be installed by qualified personnel only, in accordance with the current legislation and following the manufacturer's instructions.

Start-up of these products and any maintenance operations must only be carried out by a **DOMUSA** Official Technical Support Service.

Incorrect installation of this appliance could result in damage or injury to people, animals or property, and the manufacturer will hold no liability in such cases.

CONTENTS **Page**

1 SAFETY WARNINGS 2
1.1 FUEL WARNINGS 3
1.2 ASSEMBLY AND INSTALLATION WARNINGS 3
2 LIST OF COMPONENTS 4
3 INSTALLATION INSTRUCTIONS 5
3.1 LOCATION 5
3.2 INSTALLING THE KIT ASPIRATION 5
3.3 INSTALLING THE SUCTION HOSE 9
3.4 START-UP 10
4 OPERATION 11
4.1 FUNCTIONING WITH A DOMUSA TEXTILE SILO 12
4.2 FUNCTIONING WITH A DOMUSA SPIDER KIT 13
4.3 TIMER FUNCTIONING 14
5 MAINTENANCE 15
5.1 SAFETY WARNINGS 15
5.2 EMPTYING THE SUCTION UNIT DUST CONTAINER 15
5.3 CLEANING THE SUCTION UNIT FILTER 16
6 DIAGRAMS AND MEASUREMENTS 17
7 TECHNICAL CHARACTERISTICS 17
8 ELECTRICAL DIAGRAMS 18
8.1 ELECTRICAL DIAGRAM FOR INSTALLATION WITH A DOMUSA TEXTILE SILO 18
8.2 ELECTRICAL DIAGRAM FOR INSTALLATION WITH A DOMUSA SPIDER KIT 19
9 TROUBLESHOOTING 20
10 TERMS OF GUARANTEE 21

1 SAFETY WARNINGS

Carefully read this instruction manual and keep it in a safe, easily-accessible place. **DOMUSA** will not be liable for any damages caused by failure to follow these instructions.

To guarantee optimum functioning of this kit and a long lifetime, the installation and maintenance must be carried out by qualified personnel authorised by **DOMUSA**. The installer is responsible for any devices or controls not supplied with the kit.

This appliance must only be used for the purpose for which it has been expressly designed. Any other use is considered unsuitable and therefore hazardous. The manufacturer shall not be considered liable under any circumstances for damage caused by unsuitable, erroneous or irrational use.

The **Kit Aspiration** is specifically designed to convey 6 mm diameter pellets from a main silo to a suction pot on a **Bioclass** boiler reserve tank, providing it is installed together with a suction system (a **DOMUSA Spider Kit**) or a **DOMUSA** prefabricated textile silo including a pneumatic extraction device (suction pot).

During installation or before any servicing, the following indications must be observed to prevent personal injury or material damage:

- Remove all the packaging and check the content is complete. In case of doubt, do not use the kit. Contact your supplier. The packaging elements may be dangerous so keep them out of reach of children.
- Unplug the **Kit Aspiration** from the mains before any servicing and during installation.
- For safety reasons, another person should always be present when you access the pellet store. If access to the store is difficult, we recommend a second person waits outside to guarantee the safety of the person entering the store, to be able to let them out in case of hazard without endangering their own life.
- Before entering the pellet store, ensure it is correctly ventilated (there may be a lack of oxygen or concentration of unknown gases).
- Always wear a protective mask (standard mask) inside the pellet store for protection from airborne dust.
- Keep children away while you are working in the pellet store.
- If the pellet store is flooded there is no risk of contamination of the groundwater, the soil and/or the building, although the tank and pellet removal system could be damaged.
- When you no longer wish to use this kit, disable all parts that could be a potential source of hazard.

1.1 Fuel warnings

The **Kit Aspiration** is exclusively designed and intended to be used for the pneumatic removal of wood pellets with a diameter of 6 mm and a maximum length of 40 mm.

The wood pellets used must also comply with the **DINplus** quality standard.

IMPORTANT: The pellets are highly hygroscopic. In the event of contact with water or damp walls, they will swell and rot and will be **unfit for use**.

1.2 Assembly and installation warnings

The **Kit Aspiration** must only be installed by authorised, sufficiently qualified personnel.

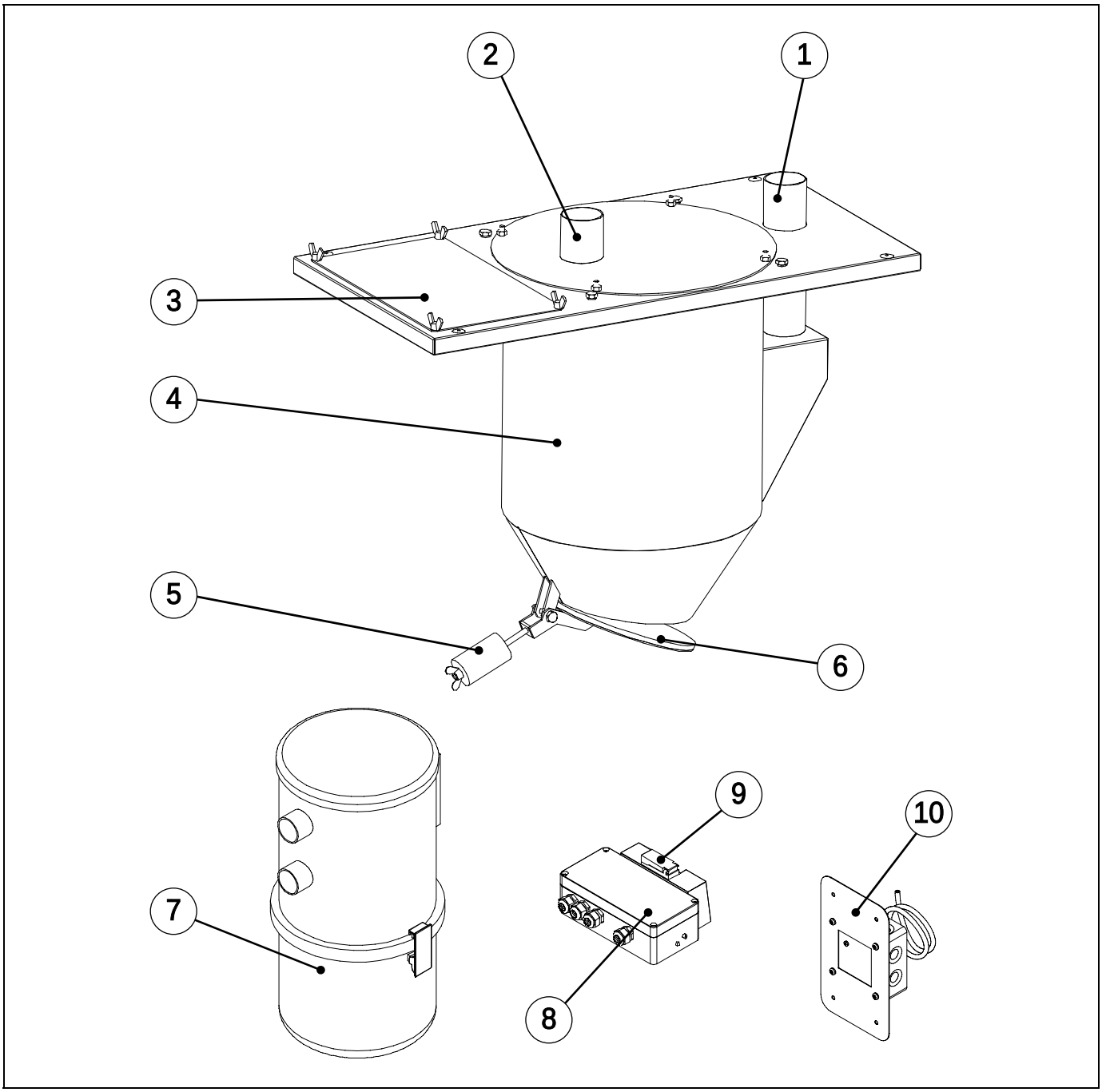
The following regulations and directives must be complied with for assembly and use of heating installations:

- Legal regulations on accident prevention.
- Legal regulations on environmental protection.
- Professional association standards for the sector.

As regards assembly and use of this kit, the standards and stipulations applicable in the particular country and/or region in which it is installed must be observed.

IMPORTANT: For safety reasons, the plastic pellet conveyor hose must be earthed, to prevent the silo from catching fire due to sparks generated by accumulation of electrostatic charge during the functioning of the automatic loading system.

2 LIST OF COMPONENTS



1. Pellet intake.
2. Suction inlet.
3. Access and manual loading cover.
4. Suction pot.
5. Counterweight.
6. Lower cover.
7. Suction unit.
8. Electronic control.
9. Programming relay.
10. Level sensor.

3 INSTALLATION INSTRUCTIONS

The **Kit Aspiration** must be installed by authorised sufficiently-qualified personnel, in accordance with the current national, regional and local regulations and standards.

The **Kit Aspiration** is a system designed to automatically convey pellets from a main container (silo) to a consumption tank (reserve tank) beside the boiler. The level of the pellets in the reserve tank is kept constant by means of a level sensor supplied with the kit.

The **Kit Aspiration** is exclusively designed and intended to be used for pneumatic removal and conveyance of wood pellets with a diameter of 6 mm and a maximum length of 40 mm, and to be installed on a **DOMUSA Bioclass** boiler reserve tank.

The wood pellets used must comply with the **DINplus** quality standard.

3.1 Location

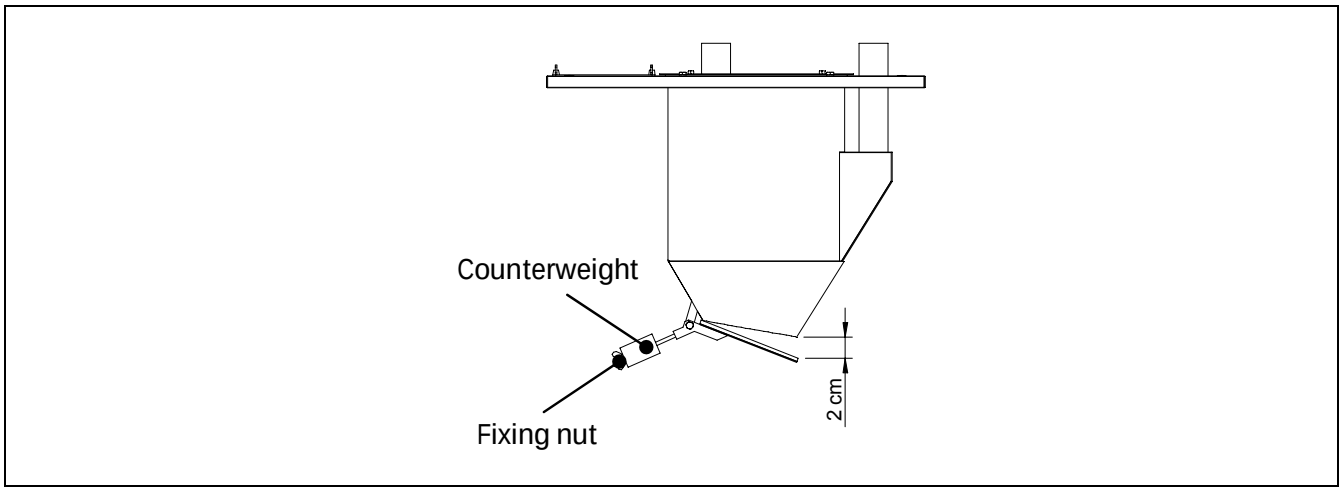
The **Kit Aspiration** must be located in a sufficiently ventilated area and must comply with all the national and regional regulations, standards and laws for this sector applicable at the time of installation, particularly those referring to fire safety, boiler rooms and building safety.

3.2 Installing the Kit Aspiration

Carefully follow these assembly instructions for correct assembly and installation of all the Kit Aspiration components:

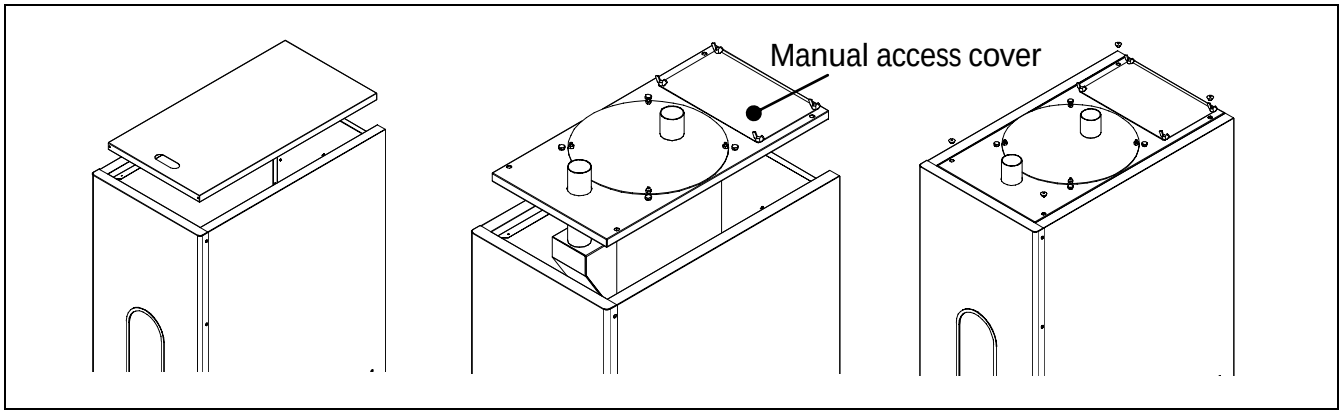
Suction pot

Before installing the suction pot on the reserve tank, adjust its counterweight so that the lower cover is open 2-3 cm. To do this, hang the suction pot vertically, loosen the butterfly nut fixing the counterweight and move the counterweight so that the cover is open by this distance. After adjusting the counterweight, remember to tighten the butterfly nut again, to prevent the counterweight coming loose during system functioning.

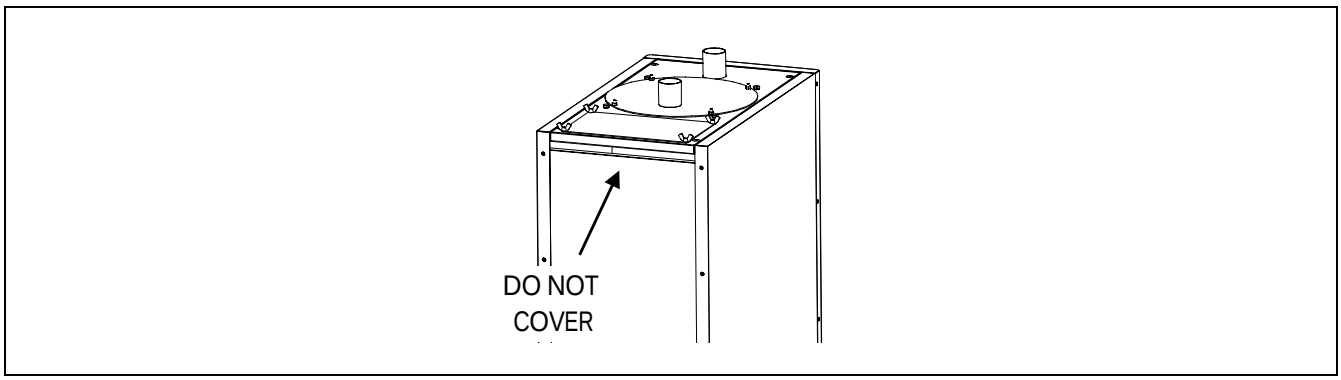


Kit Aspiration

Remove the original cover from the reserve tank, insert the Kit Aspiration suction pot and fix it in place in the holes on the top of the tank using the bolts supplied with the kit. Lastly, fit the embellisher plugs supplied in the documentation bag into the holes in the suction pot. **Ensure the cover for manual access to the suction pot is positioned towards the rear of the boiler reserve tank**.

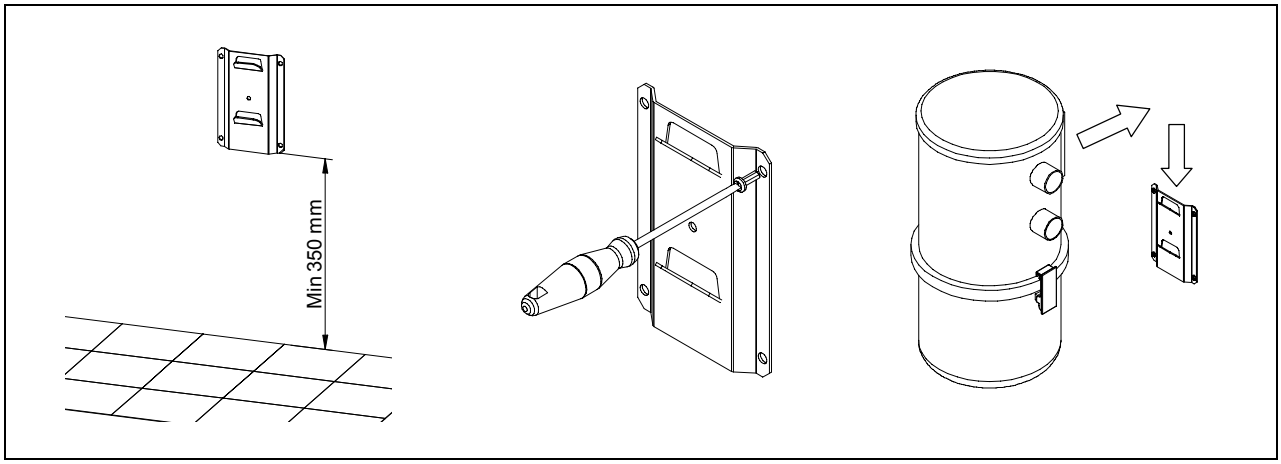


There is a ventilation slot on the rear of the reserve tank to prevent a vacuum from being created inside it. Do not cover this slot, and keep it free from any obstacles that could block it.



Suction unit

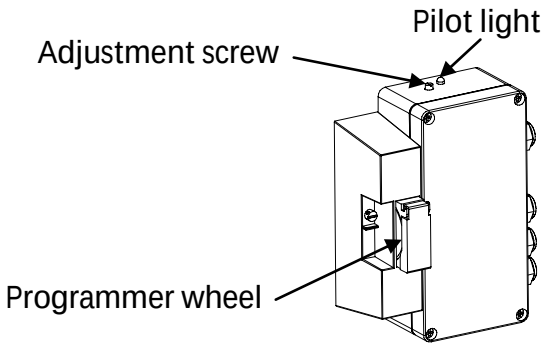
Hang the suction unit on the wall using the bracket supplied, as shown in the figure below:



After wall-mounting the suction unit, connect its electrical cord to the socket provided for this purpose on the electronic control (see *"Electrical diagrams"*). **Do not directly connect the suction unit to a mains power socket.**

Electronic control

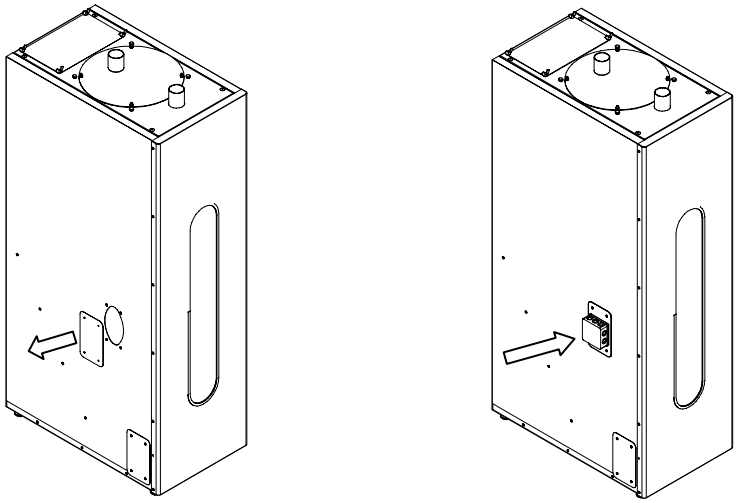
The electronic control must be installed so that the pilot light is visible and the adjustment screw and time programmer wheel are accessible. The control can be fixed to the wall using the holes provided for this purpose inside its support box.



Sufficient space must be left for the electrical connection, the suction unit connection, the level sensor and the **Spider Kit**, if this is to form part of the installation. To correctly connect these elements, carefully follow the instructions given in the *"Electrical connections"* section of this manual and the indications in the manuals, if they are available, for each of the devices connected.

Level sensor

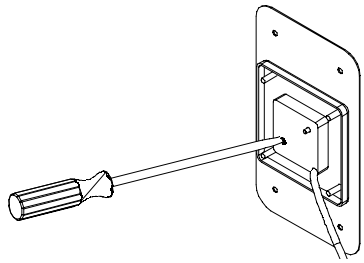
The level sensor supplied is designed to be fitted into the oval hole on the free side of the boiler reserve tank, using the black screws supplied with the sensor. To do this, firstly remove the hole cover (if the hole has a cover).



After fitting the sensor to the side of the reserve tank, connect it to the electronic control terminal according to the colour code **Sort** = Black, **Brun** = Brown and **Blá** = Blue (also see the *"Electrical Diagrams"*).

After making the electrical connection and powering the electronic control, you should then calibrate it using the adjustment screw provided in the sensor support box. To do this, remove the sensor from the reserve tank and take off the rear cover of the sensor support box to access the calibration screw. Place the sensor on a pile of pellets and move the adjustment screw until the pilot light on the side of the sensor lights up (indicating the presence of pellets). Lift the sensor off

the pile of pellets and check the pilot light goes out. Check several times that the pilot light comes on when the sensor is placed on the wood pellets and goes out when it is lifted off them. When the calibration process is complete, replace the rear sensor support cover and fix the sensor to the boiler reserve tank again.

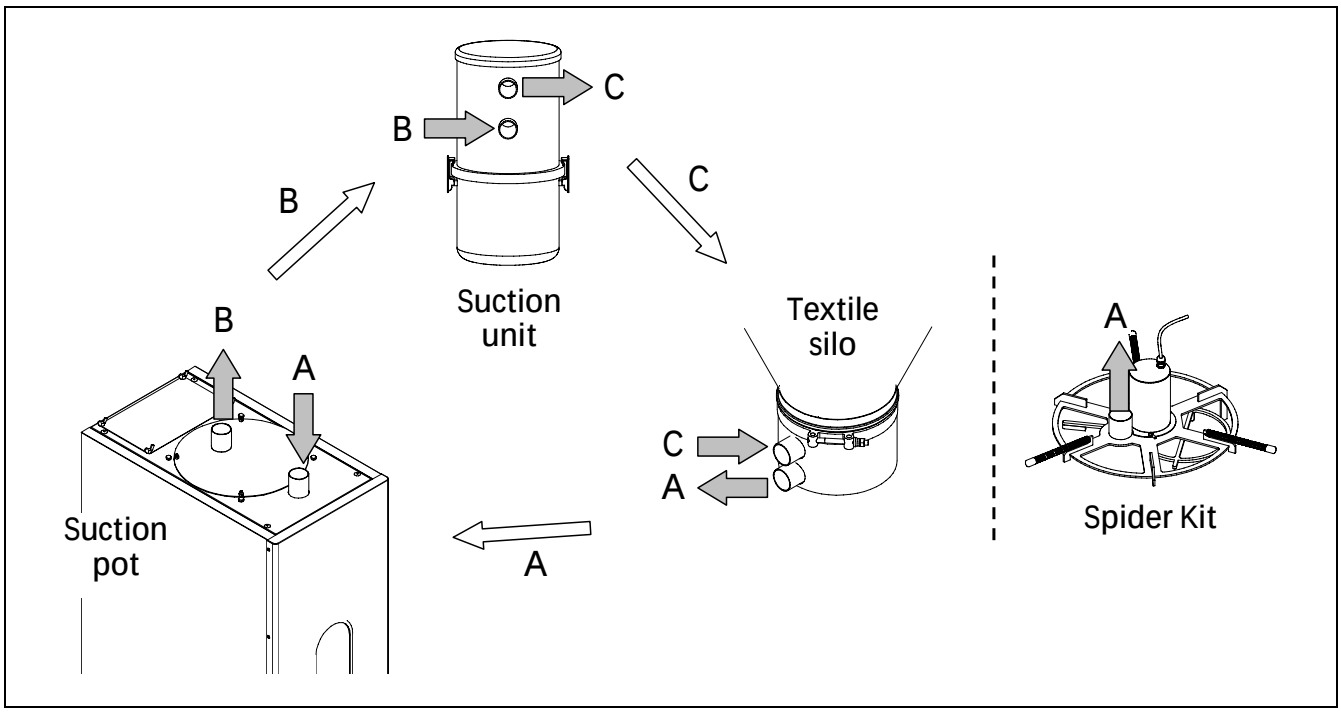


Connecting the suction hoses

The various automatic loading system components must be connected pneumatically using a hose with an interior diameter of 50 mm, preferably a flexible plastic hose with electrostatic charge accumulation protection.

To ensure the system is correctly connected and sealed, the **Kit Aspiration** includes 4 cable ties for fixing the hose ends to the respective pneumatic components of the kit.

The figure below shows the pneumatic connection of the different **Kit Aspiration** components:



Run a hose from the main storage silo (intake **A** of the textile silo or the Spider Kit) to the suction pot on top of the boiler reserve tank and connect it to the intake on the front of the suction pot (intake **A**).

Run a hose from the air intake (intake **B**) on the rear of the suction pot to the suction unit, and connect it to the lower intake on the suction unit (intake **B**).

Finally, run an air return hose from the upper suction unit intake (intake **C**) to the main silo. If you are using a textile silo supplied by **DOMUSA**, the end of the return hose must be connected to the upper intake on the silo suction pot (intake **C**). If you are using a **Spider Kit** removal system, it is not essential to run the return hose to the silo, but we recommend doing so to prevent the areas the hose opens onto from getting dirty.

NOTE: Although the **Kit Aspiration** is designed for use with **DOMUSA** Bioclass boiler reserve tanks, it may also be used with other pellet boilers. To do this, fit the suction pot to the top of the boiler reserve tank and place the level sensor 70-80 cm below the top of the suction pot. For the rest of the installation, follow the instructions given above.

3.3 Installing the suction hose

The **Kit Aspiration** is specially designed to function as part of an installation with a plastic hose with an interior diameter of 50 mm. This hose must have a static electricity discharge system, preferably a copper wire wound around its entire length. **This copper wire must be earthed at all the hose joints and ends.**

Whatever the type of hose used, it must be made of a suitable material for transporting wood pellets and it must always have an interior diameter of 50 mm. The following recommendations must also be complied with for correct installation:

- The **maximum** permitted hose **length** is 30 metres for flow from the main silo to the suction pot and 30 metres for return.

- Bend angles of over 45º must be avoided whenever possible. If these cannot be avoided, any **curves** with angles over 45º must have a radius of curvature greater than 125 mm.

- **If rigid plastic tubing is used, do not use standard 90º elbows. If these are necessary, the curves constructed must have a minimum radius of 125 mm.**

- The **maximum height** difference permitted for the installation is 6 metres.

- Avoid any splicing or coupling in the hose installation wherever possible, as this may narrow the circuit, which can cause clogging of the pellets being transported and could block the system. Most importantly, avoid any joints in the hose section leading from the main silo to the boiler reserve tank suction pot, as the pellets are conveyed through this section.

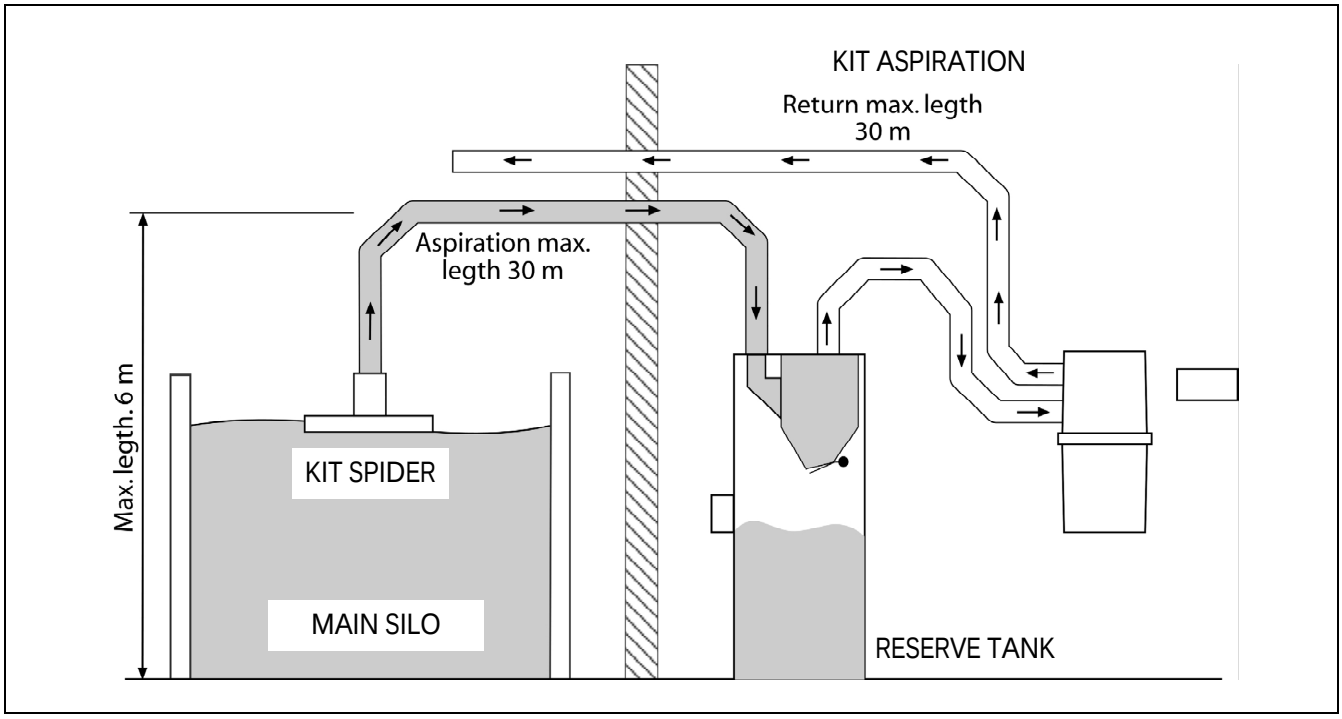
- If there is no alternative to splicing and extending the installation, straight rigid tubing with an interior diameter of 50 mm must be used. It is preferable for any splicing and joining of the hose to be done in the pneumatic suction system return section, as only air is conveyed in this section. **All the hose sections must be earthed at all coupling points and at the ends of the hose.**

- The most vital factor for ensuring maximum suction power for the system is the airtightness of the installation, and great care must therefore be taken when installing the tubing. All coupling points in the installation must be secured with brackets, taking special care to prevent leakage.

Kit Aspiration

- We recommend avoiding hose crossover in the installation whenever possible. The flow and return hoses of the pneumatic installation should be laid out parallel to each other.
- For correct assembly of the hoses, they should be fixed to the walls and/or floor using suitable fasteners throughout the entire installation, to ensure stability. The recommended maximum distance between the fixing points is 80 -110 cm.

Some of these recommendations are illustrated in the figure below:



IMPORTANT: At each end of the pellet suction and air return hose, the copper cables must be connected to the earth connection terminals provided for this purpose.

IMPORTANT: **DOMUSA** will hold no liability for malfunctioning of the Spider Kit in combination with the Kit Aspiration if the installation does not comply with the above recommendations.

3.4 Start-up

In order for the **guarantee to be valid**, the automatic loading system must be started up by **personnel authorised by DOMUSA**. Before beginning the start-up process, the following must be complied with:

- The kit must be connected to the electrical mains power.
- The main storage silo must be filled with pellets.
- The pneumatic hose installation must have been carried out.

The start-up sequence is as follows:

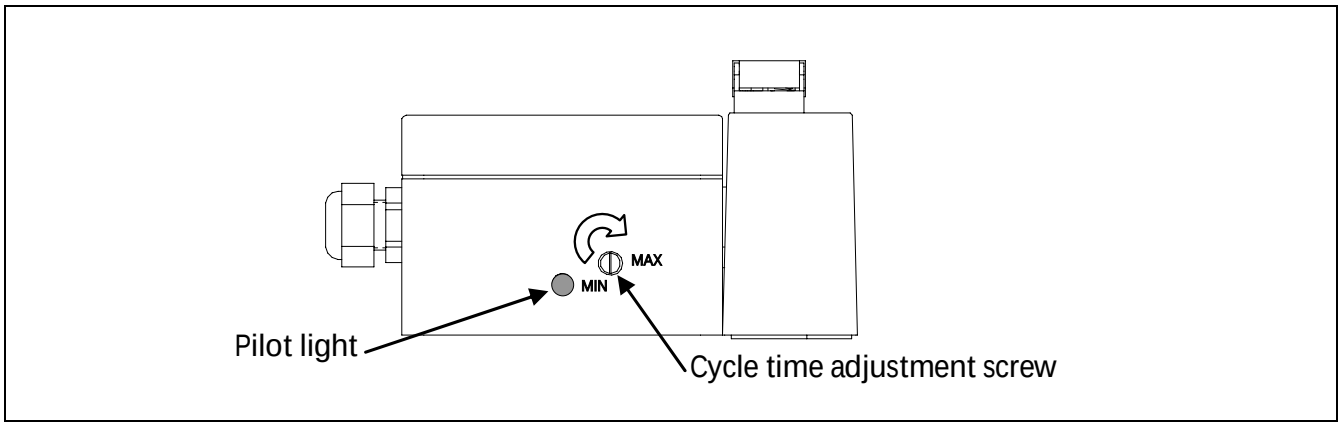
- Check the pneumatic installation of the 50 mm interior diameter hose has been performed correctly.
- Check the correct type of fuel is being used (**DINplus** grade or higher).
- Check the automatic loading system is working correctly.

4 OPERATION

The **Kit Aspiration** is an automatic pellet conveying and suction system equipped with an electronic control that governs the functioning of a suction device (the suction unit), controlled by the signal received from a level sensor located on the boiler reserve tank. The electronic control also includes a timer to disable its functioning at night, to prevent noise from the suction system. It can also manage the functioning cycles of a **DOMUSA Spider Kit**, if you choose to use this type of pellet removal system.

General system operation is as follows: when the level sensor detects a low pellet level, the electronic control starts up the suction unit, which begins to suck up the pellets from the silo or main store and convey them to the suction pot on top of the boiler reserve tank. The suction unit runs for a set duration (a cycle), while it fills the suction pot. When the cycle is complete, the suction unit stops and the hatch on the underside of the suction pot opens, emptying the pellets inside into the reserve tank. If the level sensor continues to detect no pellets when the suction pot has been emptied, the suction unit starts up again and runs for another full cycle. When the sensor detects pellets, the electronic control disables the functioning of the Kit Aspiration and then remains on standby until it requires activation again. If the level sensor continues to detect no pellets after 8 consecutive cycles, the electronic control blocks the system functioning and a red pilot light on the side of the control will come on to indicate a system anomaly. To unblock the system, disconnect the electronic control from the mains power supply and then reconnect it.

The cycle time can be adjusted using the adjustment screw on the side of the control (see figure). This adjustment can be used to optimise the filling time for the suction pot on the reserve tank, adapting it to the different characteristics of each pneumatic installation (suction hose length, type of pellet removal system, etc.). The adjustable time range is from 20-180 seconds per cycle. Guidance regarding the recommended cycle times for different types of installations is given in the sections below.



The Kit Aspiration is specially designed to be installed with 2 types of silos and/or pellet removal systems, supplied by DOMUSA:

- Textile Silo.
- Spider Kit.

The Kit Aspiration's specific functioning when connected to each of these systems is described in the following sections, together with the functioning of the timer.

Kit Aspiration

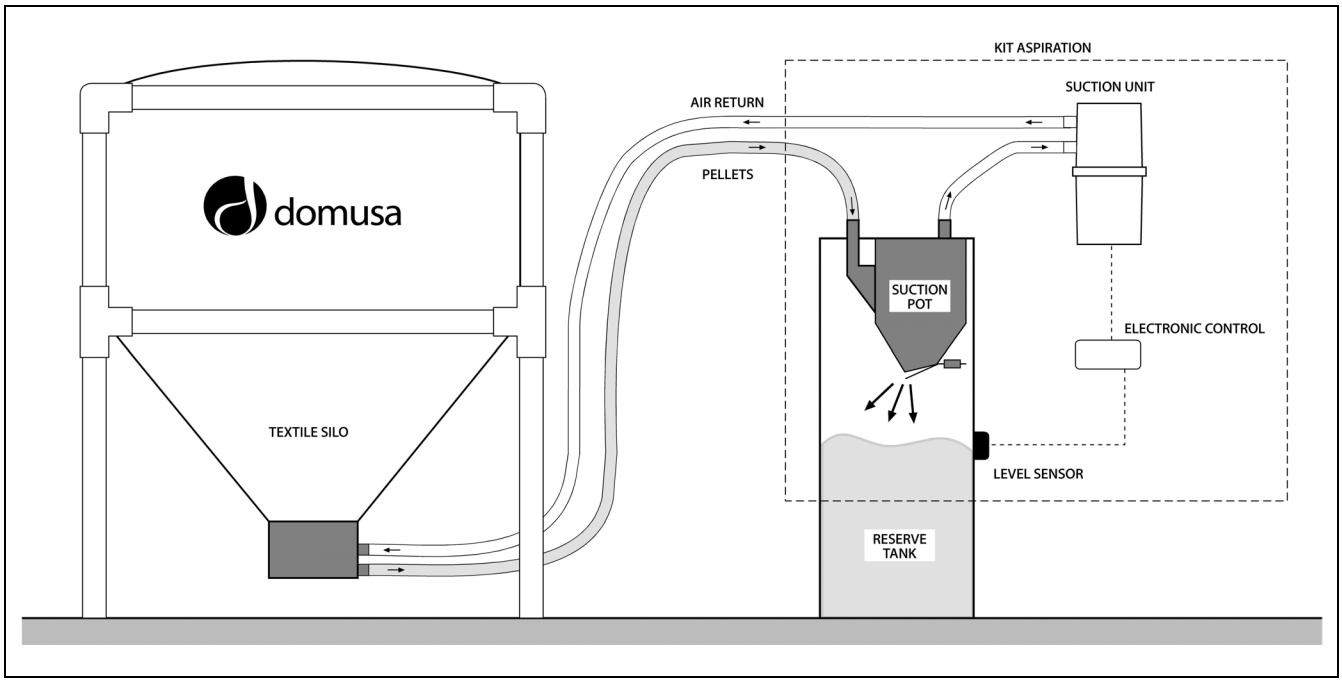
4.1 Functioning with a DOMUSA Textile Silo

If the installation is done with a textile silo supplied by **DOMUSA**, the suction unit will be activated each time the boiler reserve tank sensor detects that the pellet level is low, and it will continue to function throughout the cycle time programmed by the user on the electronic control. When the sensor detects pellets, the electronic control will disable suction unit functioning and then remain on standby until it requires activation again. If the level sensor continues to detect no pellets after 8 consecutive cycles, the electronic control will block the system functioning and a red pilot light on the side of the control will come on to indicate a system anomaly. To unblock the system, disconnect the electronic control from the mains power supply and then reconnect it.

The optimum cycle time is the time required for the suction pot on the reserve tank to fill up to full capacity. The amount of pellets conveyed per cycle will depend on the length and route of the installation, the type of pellets used, and, in particular, how clean the suction unit filter is. Thorough maintenance of the filter is therefore very important (see *"Maintenance"*), to ensure a constant uniform flow on each cycle. Bearing in mind these variable fuel characteristics, the table below shows some recommended cycle times, depending on the length of the installation.

Installation length	Cycle time
5 m	MIN (27 sec)
15 m	60 sec
30 m	120 sec

The figure below shows a functional diagram of the **Kit Aspiration** installed in combination with a **DOMUSA** textile silo:



NOTE: If the suction system becomes blocked, this could mean there are not enough pellets in the main silo or that the pneumatic hose installation has become blocked or is defective.

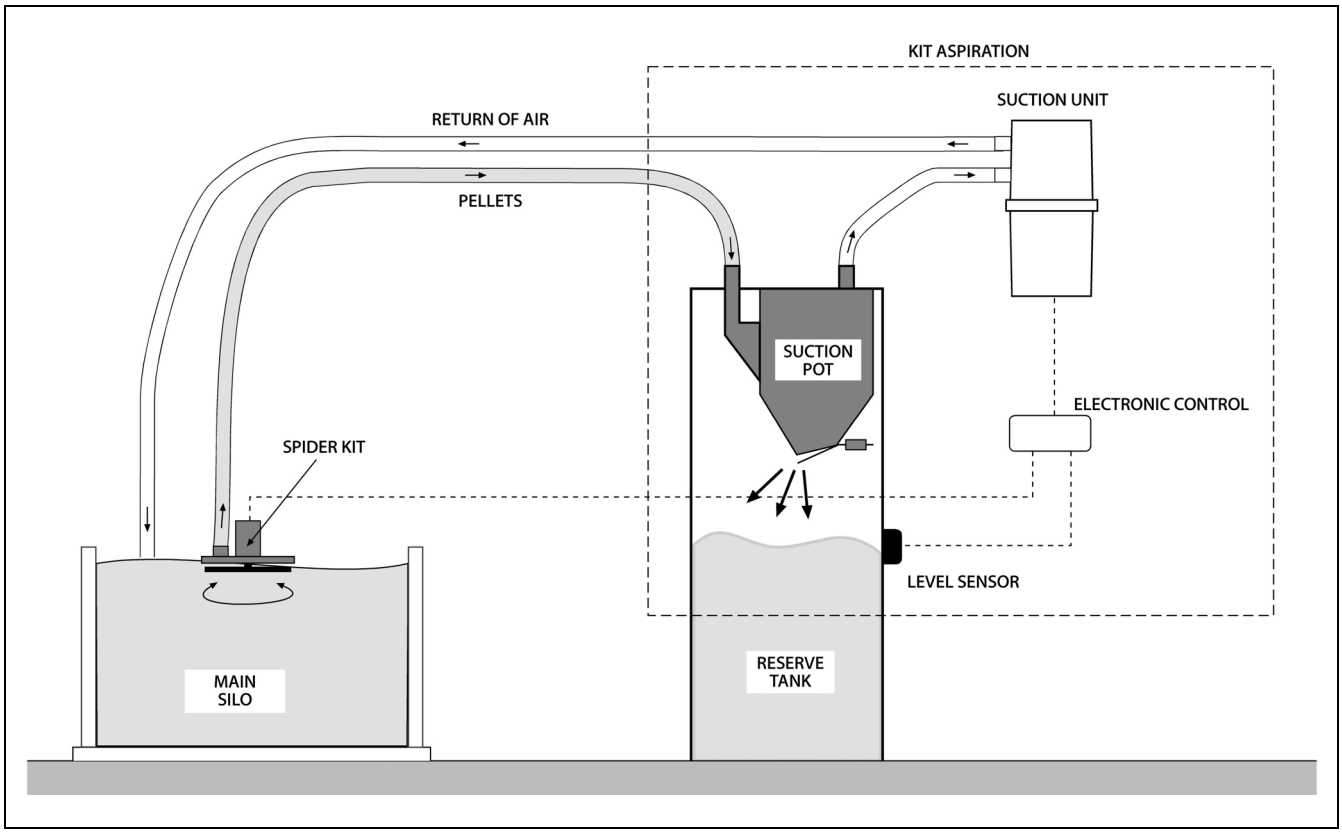
4.2 Functioning with a DOMUSA Spider Kit

If the installation is made in combination with a **Spider Kit** pellet removal system, whenever the tank level sensor detects that the pellet level is low, the electronic control will begin each cycle by starting up the suction unit and **Spider Kit** motor at the same time, turning the kit's rotary plate and sucking up pellets from the main silo. When the cycle is complete, in order to prevent excess pellets remaining in the hose installation and causing obstruction at the start of the next cycle, the control stops the Spider Kit functioning 7 seconds before suction unit operation is disabled. This means the suction unit continues taking in only the pellets that remain in the hose installation, emptying the hose and preventing obstruction when the next cycle begins.

If the level sensor continues to detect no pellets after 8 consecutive cycles, the electronic control will block the system functioning and a red pilot light on the side of the control will come on to indicate a system anomaly. To unblock the system, disconnect the electronic control from the mains power supply and then reconnect it.

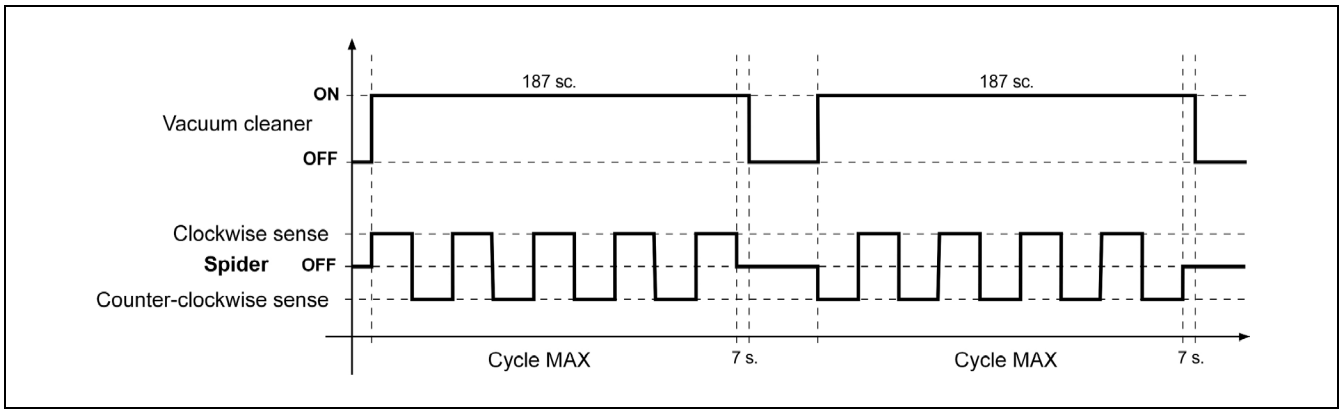
In general, we recommend adjusting the cycle time to its maximum setting (187 seconds), by turning the adjustment screw clockwise as far as it will go. If the installation settings are causing the boiler reserve tank suction pot to fill up some time before the end of each cycle, we recommend reducing the cycle time for closer adjustment, so that it coincides with each filling of the suction pot. It should also be observed that the amount of pellets taken in on each cycle may vary considerably depending on suction unit filter maintenance, pellet quality and the main silo emptying level at any given time, and it is therefore preferable to set long cycle times.

The figure below shows a functional diagram of the **Spider Kit** installed in combination with a **Kit Aspiration**:



Kit Aspiration

The rotary plate of the **Spider Kit** moves in circular fashion in symmetrical rotation cycles, alternating between clockwise and counter-clockwise movement to prevent the hose from winding onto the kit. These rotation cycles are governed by the **Kit Aspiration** electronic control system. The diagram below shows the functioning cycles controlled by the **Kit Aspiration**:

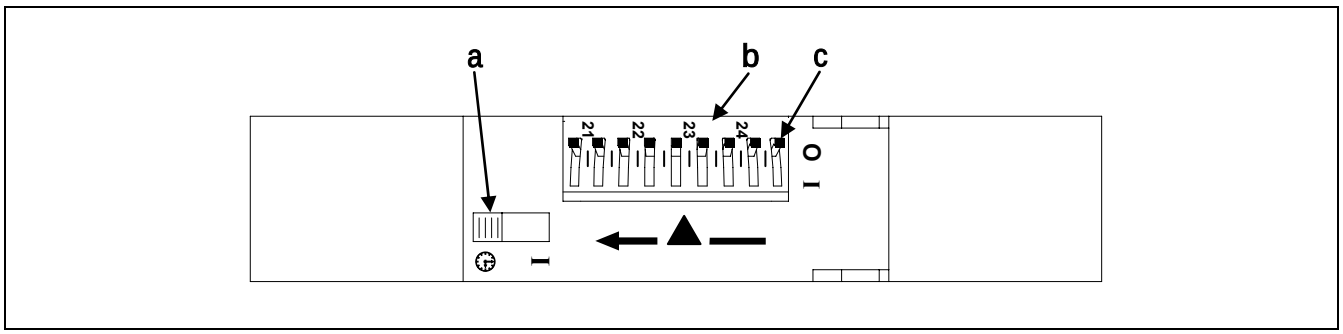


IMPORTANT: Thorough regular maintenance of the **Kit Aspiration** filter is vital to ensure sufficient uniform pellet suction flow.

NOTE: If the suction system becomes blocked, this could mean there are insufficient pellets in the main silo or that the pneumatic hose installation has become blocked or is defective.

4.3 Timer functioning

The **Kit Aspiration** electronic control includes a timer to disable its functioning at night, to prevent noise from the suction system. To programme the system ON-OFF times, proceed as follows:



- Check the current time coincides with that of the timer. If it does not coincide, set the time on the timer by turning the wheel **"b"** clockwise until it coincides.
- Turn the switches "**c**" to "**I**" for the times you want the suction system to function, and to "**O**" for the times you want it to remain off. **To correctly fill the reserve tank after a prolonged system stoppage, we recommend the periods programmed do not exceed 8 hours' continuous stoppage time.**
- Turn the switch "**a**" to "⏲" position. Automatic functioning position. This starts up the suction process at the times programmed using the switches "**b**". If the switch "**a**" is turned to "**I**" the suction system will run continuously and the timer is cancelled.

5 MAINTENANCE

To keep the automatic loading system in perfect working order the maintenance operations described in this section must be carried out at regular intervals.

Also, to ensure correct functioning of the **Bioclass** boiler we recommend inspection of the whole pellet loading system once a year by the **DOMUSA Authorised Technical Service**, at the same time as the annual service.

Maintenance of the **Kit Aspiration** mainly consists of removing the dust that has accumulated in the suction unit tank and cleaning its internal filter. To keep the suction unit in perfect working order throughout its entire lifetime, we recommend that the tank and filter are cleaned every 1200 kg of pellet consumption. This cleaning can be done by the boiler user, providing the indications given in the sub-sections below are followed.

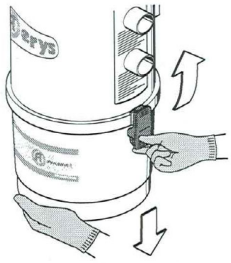
5.1 Safety Warnings

To prevent any damage or injury to people and property, the following safety indications must be taken into account during the maintenance operations described in the following sections:

- Unplug the **Kit Aspiration** from the mains power before any servicing.
- Wear a protective mask (standard mask) on cleaning the suction unit, for protection from airborne dust.
- Keep children away from the installation on carrying out the automatic loading system maintenance operations.

5.2 Emptying the suction unit dust container

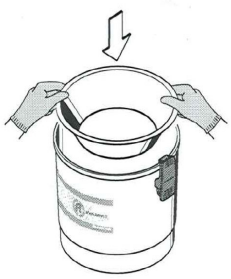
Before emptying the suction unit dust container, make sure **the suction unit has been disconnected from the electricity supply**, by unplugging it from the mains. We recommend emptying the suction unit dust container every **1200 Kg** of pellet consumption. To correctly empty the container, proceed as follows:



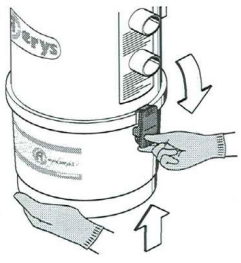
Release the two side clips to remove the dust container

Take the conveyor cone out of the container

Empty the dust container into a suitable waste bin



Put the conveyor cone back inside the dust container

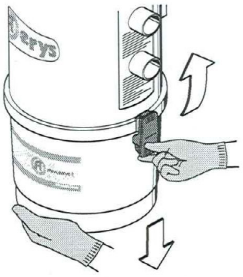


Fit the container to the bottom of the suction unit again, fixing it in place with the two side clips

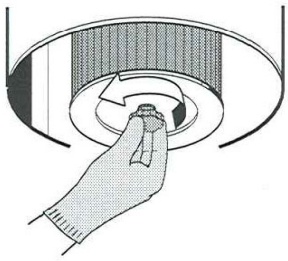
Kit Aspiration

5.3 Cleaning the suction unit filter

Before emptying or replacing the suction unit filter, make sure the suction unit has been **disconnected from the electricity supply**, by unplugging it from the mains. We recommend cleaning the suction unit filter every **1200 Kg** of pellet consumption. To correctly clean the filter, proceed as follows:

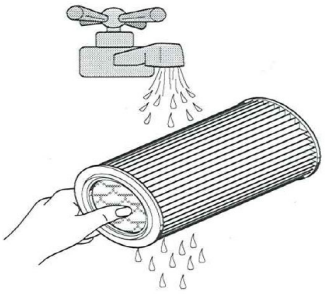


Release the two side clips to remove the dust container

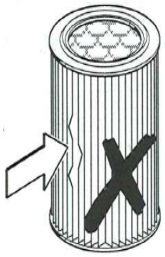


Unscrew the filter fixing nut on the bottom of the unit

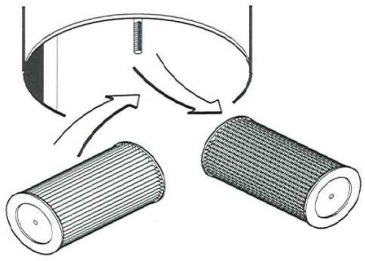
Clean the filter. We recommend using a pneumatic cleaning system, a manual suction device or similar



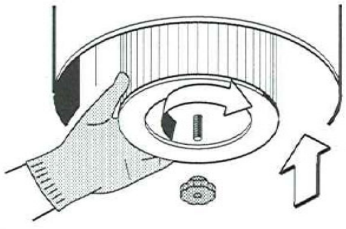
You may also rinse the filter under the tap. Dry it thoroughly before fitting it back onto the suction unit



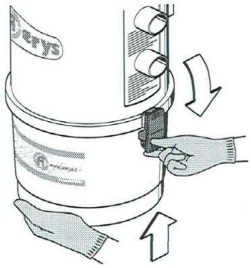
Check for any defects, tears and/or holes in the filtering surface



If you note any defects on the filtering surface, replace the filter with a new one



Fit the filter back in place. Remember to tighten the fixing nut.



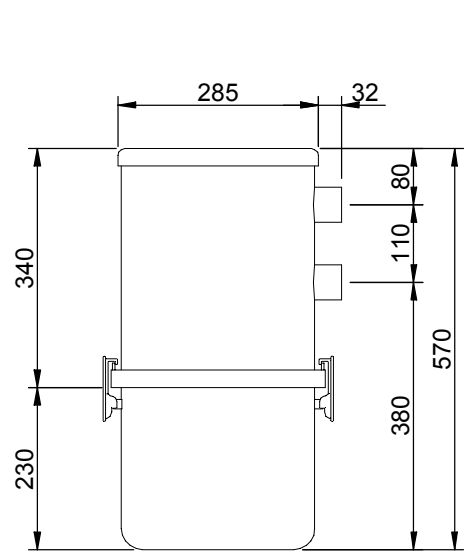
Fit the dust container to the bottom of the suction unit again, fixing it in place with the two side clips

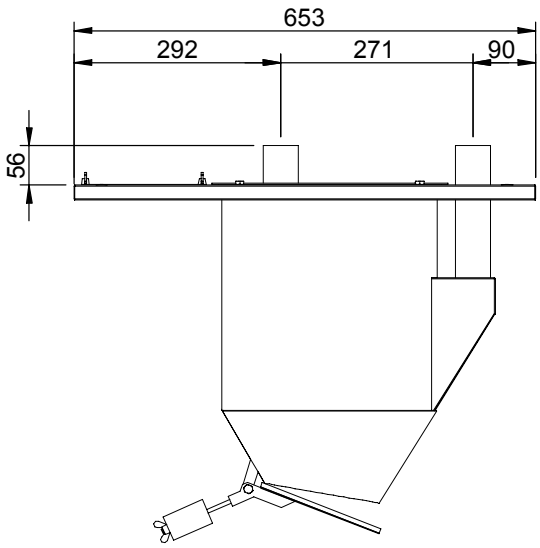
NOTE: The filter may be reused until defects, tears and/or holes are observed in its filtering surface. If you note any defects, replace it with a new one.

IMPORTANT: If you use water or any other liquid means to clean the filter, ensure it is completely dry before fitting it back in place onto the suction unit. Pellets are highly hygroscopic and they will swell and rot and be **unfit for use** if they make contact with water or damp walls.

IMPORTANT: Do not use wire brushes, metal scouring pads or tools or materials which are in general abrasive to clean the filter.

6 DIAGRAMS AND MEASUREMENTS





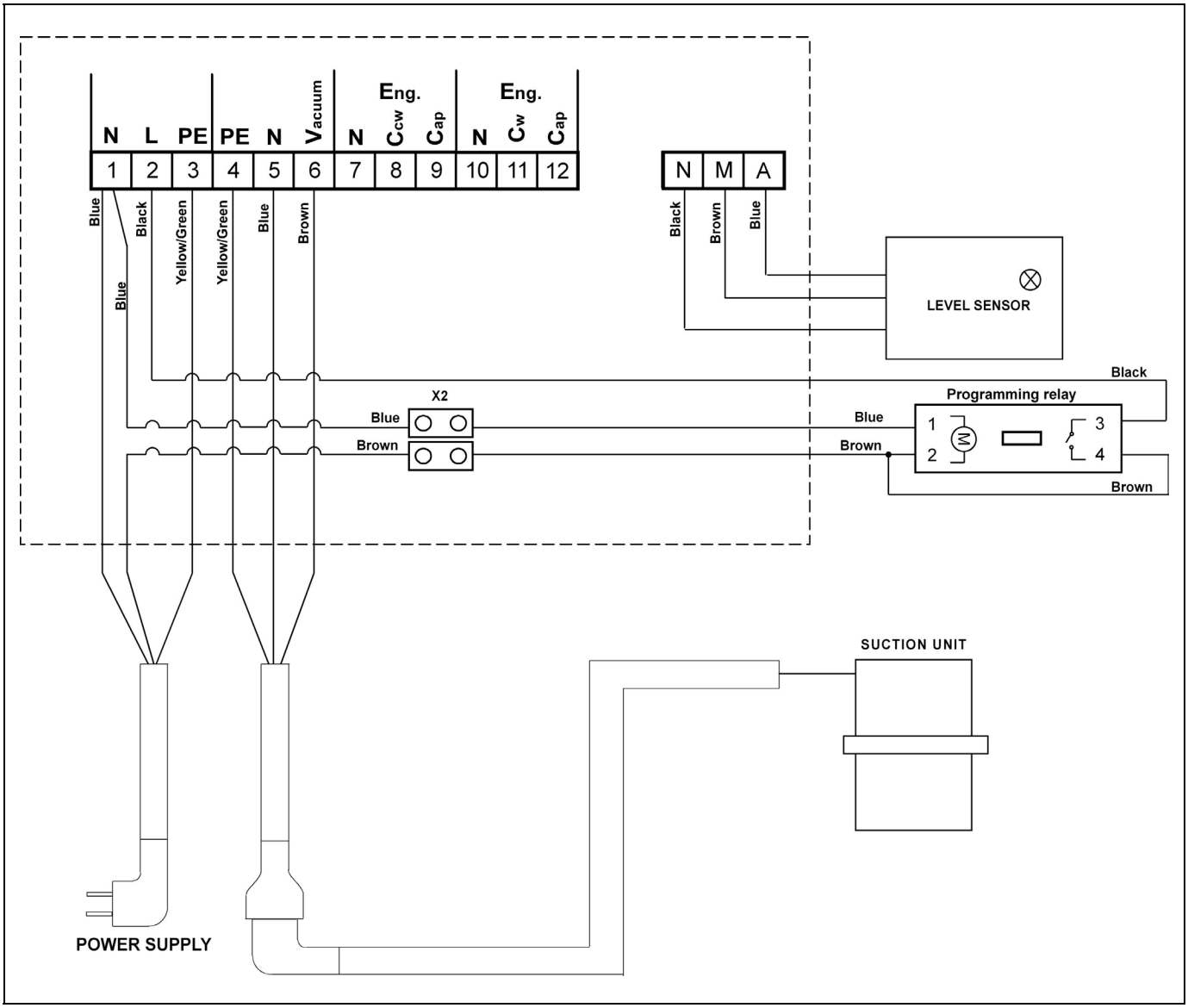
SA: Air suction, Ø50.
RA: Air return, Ø50.
EP: Pellet intake, Ø50.

7 TECHNICAL CHARACTERISTICS

TECHNICAL CHARACTERISTICS		VALUE
Maximum suction length	m	30
Maximum suction height	m	6
Suction hose diameter	mm	50
Connection voltage	-	230 V~ 50 Hz
Maximum electrical consumption	A	6.5
Maximum electric power	W	1,400
Protection degree	-	IP 44
(Gross) Weight	Kg	27

8 ELECTRICAL DIAGRAMS

8.1 Electrical diagram for installation with a DOMUSA Textile Silo



L: Phase.

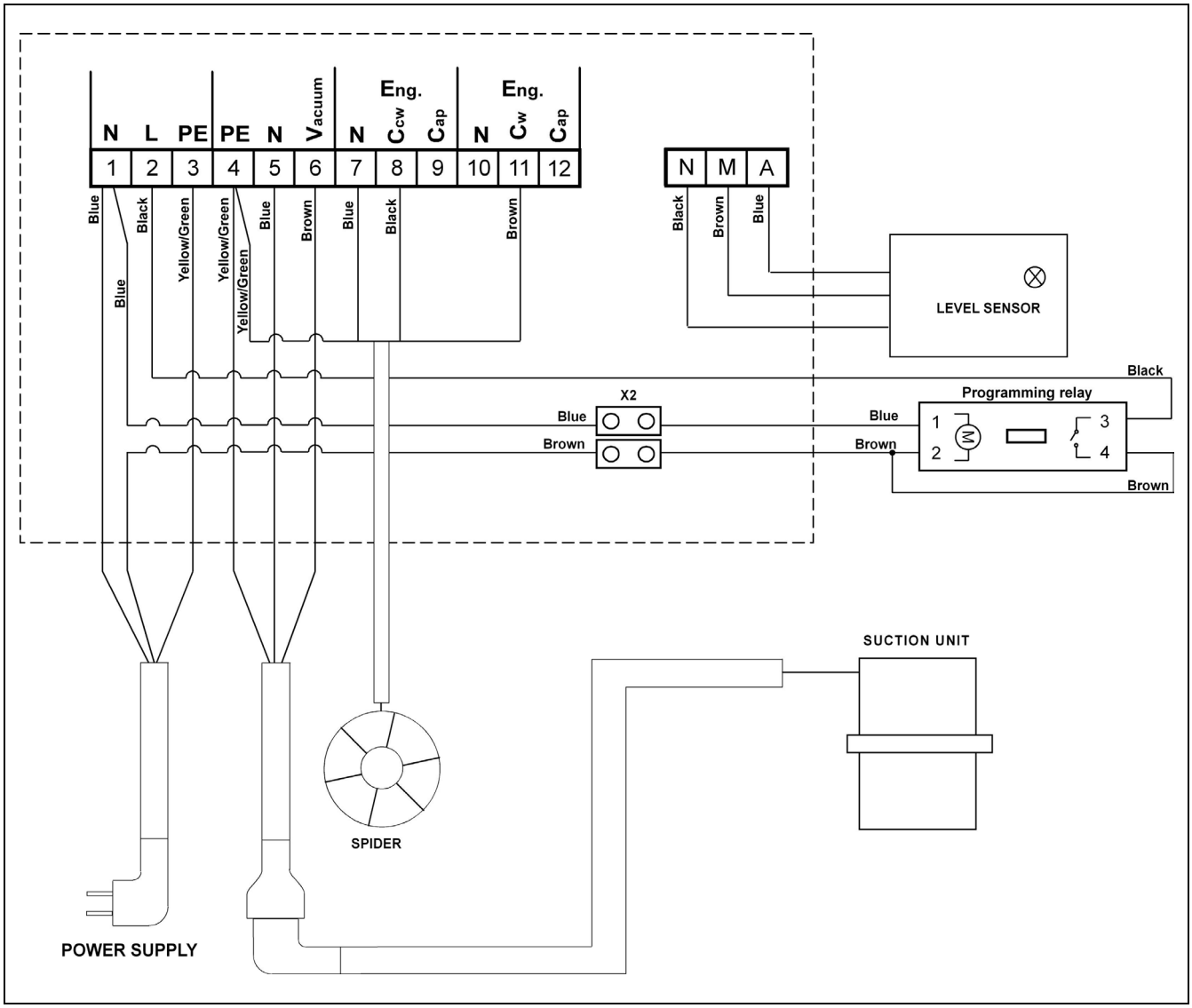
N: Neutral.

PE: Earth.

V_{acuum}: Suction unit connection.

X2: Programmer connector.

8.2 Electrical diagram for installation with a DOMUSA Spider Kit



L: Phase.

N: Neutral.

PE: Earth.

V_{acuum}: Suction unit connection.

C_{cw}: Spider motor counter-clockwise rotation.

C_w: Spider motor clockwise rotation.

E_{ng}: Spider Motor.

X2: Timer connector

9 TROUBLESHOOTING

This section lists the most common failures that may cause stoppage and/or blocking of **Kit Aspiration** operation. If any of these anomalies should occur repeatedly, we recommend you contact the nearest **DOMUSA** Official Technical Support Service.

PROBLEM	CAUSE	SOLUTION
The pellet feeder functions 5 times consecutively and then stops. A red pilot light comes on.	The lower suction pot cover is clogged with pellets.	Adjust the cover counterweight so that it is open 2 cm when the suction unit is not running.
	The main silo is empty.	Fill the silo with pellets.
	The suction unit filter is dirty.	Clean the suction unit filter.
	Pellets are blocking the hose.	Check the quality and size of the pellets. Use pellets of a maximum length of 40 mm.
The pellet level in the boiler reserve tank is low and the loading system does not start up.	The level sensor is not calibrated.	Calibrate the level sensor.
	The level sensor is faulty.	Call the Technical Support Service to replace the sensor.
The boiler reserve tank is overfilling and the loading system does not stop.	The level sensor is not calibrated.	Calibrate the level sensor.
	The level sensor is faulty.	Call the Technical Support Service to replace the sensor.

10 TERMS OF GUARANTEE

DOMUSA's commercial guarantee covers the standard functioning of the products manufactured by **DOMUSA** Calefacción S.Coop., in accordance with the following conditions and time periods:

1. This **commercial guarantee** is valid for the following periods, as from the **date of purchase**:

   - 2 Years for electrical, mechanical elements, etc.

   During the 6-month period following the start-up date, DOMUSA will carry out any repairs of original flaws or defects totally free of charge.

   After these 6 months have elapsed and until the end of the guarantee period, labour costs and call-out charges will be payable by the user.

2. **DISCLAIMERS:** The **commercial guarantee** shall not cover the following cases, in which the total cost of repairs must be paid for by the user:

   - If the Aspiration automatic loading system has not been installed in accordance with the applicable laws and regulations for this type of appliance.
   - If the product has been manipulated by personnel not authorised by Domusa.
   - Breakdown caused by misuse or incorrect installation, an unsuitable electrical supply, incorrect handling of the appliance and, in general, for any reason beyond Domusa's control.
   - Wear and deterioration of the appearance caused by use of the appliance or the necessary maintenance operations.

VERY IMPORTANT:

For entitlement to this guarantee, proof of the date of receipt of the appliance, that is the purchase invoice or receipt, must be shown to the official technical support service on call-out. For Aspiration loading systems supplied for new build houses or flats, sufficient proof of the date of the Kit Aspiration's availability for use must be provided.

This guarantee does not affect the consumer's rights as stipulated by law.

POSTAL ADDRESS
Apartado 95
20730 AZPEITIA
Tel: (+34) 943 813 899

FACTORY AND OFFICES
Bº San Esteban s/n
20737 ERREZIL (Guipúzcoa)
Fax: (+34) 943 815 666

www.domusa.es

DOMUSA reserves the right to make modifications of any kind to its product characteristics without prior notice.

CDOC000792 04/13